

## Canine Genetic Testing Report



Submitted By

**Subject Dog** 00261524

Date Received: 5/15/2021

Dog Name: **Jada's 3975**  
Breed: French Bulldog  
Phenotype: Blue Merle

Registration:  
Microchip: 900215002703975  
Sex: Male Birth: 05/04/2021

### Sire

Sire Name:  
Breed: French Bulldog  
Registration:  
Phenotype:

### Dam

Dam Name: Jada  
Breed: French Bulldog  
Registration:  
Phenotype:

### Coat Color Testing

<input checked="" type="checkbox"/>	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.
<input checked="" type="checkbox"/>	A Locus-Aw	n/n	Negative for wild-sable.
<input checked="" type="checkbox"/>	A Locus-At	n/At	Dog has one copy of the tan points/tricolor gene.
<input checked="" type="checkbox"/>	A Locus-a	n/a	Dog has one copy of the gene responsible for recessive black coat color.
<input checked="" type="checkbox"/>	B Locus	B/B	Dog does not carry the brown allele, and can never pass on the gene for brown to future offspring.
<input checked="" type="checkbox"/>	Cocoa	n/co	Carrier. Dog has one copy of the cocoa mutation.
<input checked="" type="checkbox"/>	D Locus	d/d	Dog is homozygous for the dilution gene. The dog will always pass on a copy of the dilution gene to any offspring.
<input checked="" type="checkbox"/>	E Locus- EM	EM/EM	Dog has two copies of allele for melanistic mask.
<input checked="" type="checkbox"/>	E Locus- e	E/E	Dog does not carry the gene responsible for yellow coat color. This dog will never pass on the allele for yellow coat color.
<input checked="" type="checkbox"/>	K Locus-KB	n/n	Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.
<input checked="" type="checkbox"/>	Spotting	N/S	Dog has one copy of the MITF variant associated with parti-color in some breeds.
	Harlequin		Not Tested
<input checked="" type="checkbox"/>	Merle	n/M	Dog has one copy of the "M" merle allele and one negative "m" copy of merle allele. The dog can pass either allele on to any offspring.

### Genetic Disorders

	CDDY		Not Tested
	CDPA		Not Tested
	CMR1		Not Tested
	cord1-PRA		Not Tested
	DM		Not Tested
	HUU		Not Tested
	JHC		Not Tested

### Genetic Marker Results

Run Date: Not Tested

-	-	-	-	-	-	-
AHT121	AHT137	AHT171	AHT260	AHTk211	AHTk253	C22-279
-	-	-	-	-	-	-
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055
-	-	-	-	-		
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23		

### Additional Comments

A-Panel: At/a - Dog is black-and-tan and carries recessive black.  
E-Panel: EM/EM-Dog has two copies of the melanistic mask allele and does not carry the recessive yellow allele.

### Coat Type Testing

<input checked="" type="checkbox"/>	Hair Length	l/l	Long Hair: Dog has two copies of the long hair allele.
<input checked="" type="checkbox"/>	Hair Curl	n/n	Non-Curly Coat: Dog does not carry the mutation for coat curl.
<input checked="" type="checkbox"/>	Furnishings	n/n	Dog is negative for the Furnishings mutation.
<input checked="" type="checkbox"/>	Shedding	n/n	Negative: Dog is unlikely to be a high shedding dog.